

Solar Panels:

PURPOSE:

This is a guide to assist in the plan review, permit, and inspection process for the installation of a residential solar panel system. Listed below are the required components to be included in drawings to obtain permits, and the items that the inspectors will be verifying in the field during the inspection process.

- ❖ Building permit required
- ❖ Site Plan/Survey showing location
- ❖ Copy of complete Manufacturer Specifications
- ❖ Contractors' insurance (all) Workers' Compensation & Disability with valid expiration dates
- ❖ Electric Certificate from an approved Agency / Grounding

Building Permit/ Drawing Package Contents:

When equipment is installed on an existing structure:

1- Include a **letter from a structural engineer** indicating that the existing structure is sufficient to support the new loads associated with the additional weight and wind resistance (minimum 115 mph wind speed design, Ground Snow Load 60psf and ASCE 7-05).

2- **Structural plans** designed and sealed by a NYS Professional Engineer for securing the panels to the existing structure or to a new foundation or structure shall be submitted.

At minimum, the following shall be indicated on the plans (including a site or roof plan) to be confirmed during inspection:

- ❖ Panel Layout
- ❖ Mounting Structure & Anchors
- ❖ Roof Penetrations
- ❖ Grounding Points

Inspection Package Contents: Before a Certificate of Completion

1-The manufacturer's installation manual and the permit drawings must remain on the jobsite at all times during the inspection process.

2- The structural engineer may be required to provide a special inspection letter certifying that the installation conforms to his/her design. (Copy to Code Official)

3-Applicant shall provide access for inspectors to review the installation for final Inspection

4- Locations of fire access aisles, If required by NYS Code